GRADING DIAGRAM AND SUMMARY

<i>⊢/30 → Fi//</i>	Denotes fill quantity from computer listings and/or manual cross-sections.	⟨F⟩	Denotes C.Y.fill for private entrances.						
<i>⊢130 </i>	Denotes cut quantity from computer listings and/or manual cross-sections. Quantity adjusted for demolition of		Denotes C.Y. unsuitable material above subgrade wis included in Regular Excavation.						
	pavement.		Denotes C.Y. of excavation of unsuitable mat'l. belo						
	Denotes C.Y. root mat material in cut areas which is included in Regular Excavation quantities.		subgrade and backfilled with (specify material)						
	Denotes C.Y. root mat material removed from fill sections and backfilled with (specify material) (Back-fill with Regular Excavation and/or Borrow Excavation)	~>	Denotes C.Y. Regular Excavation from drainage ditches.						
⟨c⟩	Denotes C.Y. Regular Excavation from private entrances.		Denotes C.Y. Minor Structure Excavation.						

FORMULAS

Roadway Cut (C) = Unadjusted Cut from Computer Listings or Manual Cross-Sections minus (-) Demolition of Pavement.

Roadway Fill(J) = Fill Required plus (+) Material for Backfill of Demolition of Pavement Areas in Fill(for heights of fill < 3 feet below subgrade)

Total Reg. Excav. (M) = C + E + F + H +K

Total Fill (N) = J + E + G + H + L + R

Borrow (S) = [N - ([C + F + K + P + Q - D - 1] x Compaction Factor)] - Compaction Factor for Borrow Site

(Embankment)(S) = N - (C + F +K + P +Q - D - I) (Embankment = Total Fill - Usable Cut) Estimated Material to be obtained off-site.

NOTES: INCIDENTAL TO PAYMENT FOR EXCAVATION, UNSUITABLE MATERIALS ARE TO BE REMOVED, AND REPLACED WITH SELECT MATERIAL, TYPE I, MINIMUM CBR 30. IN LIEU OF REMOVAL AND REPLACEMENT, THE UPPER 12" OF WET SUBGRADE MAY BE TREATED WITH PELLETIZED QUICKLIME. SOILS WITH NATURAL MOISTURE CONTENTS GREATER THAN 30% OVER OMC SHOULD BE REMOVED AND REPLACED OR CHEMICALLY STABILIZED.UNSUITABLE MATERIALS ANTICIPATED AT THE LOCATIONS LISTED BELOW: STA.92+00 TO STA.94+00 STA. 98+00 TO STA. 100+00

of											and		hes n		Cut Ditche cluded in	
											1 Inclu	des setti	'ement	t of i	'n-place so	01/.
/ a a ati a a	⊗ Roadway	Root Mat in Cut		Ditches (©)	Ditches (©)		ritable erial Above	(10) Roadway Fill	7		Total Regular	Total	ition of sment	or Structure xcavation	Stormwater (G) Management Basins (N)	6 Borrow
Location	Cut (1) (8)	Sections	Sections	Cut -	- /// -	Subgrade	Subgrade	8	Cut	Fi//	Excavation 6			Minc	Cut Fill	(Embank- ment)
SYCOLIN ROAD ST A. 92+86 TO ST A. 109+00		C. Y. 811	C. Y. 169	C. Y.	0	C. Y. 150	C. Y. 1350	C. Y. 486	C. Y. 23	23	C. Y. 6/99	C. Y. 828	39	0	C. Y. C. Y.	C. Y. O
SYCOLIN ROAD STA. 109+00 TC											3694					

|K|L

486

1350

Denotes C.Y. existing pavement to be removed as "Demolition of Pavement" from fill sections and backfilled with (specify mat'l.)

Denotes C.Y. existing pavement to be removed as Demolition of Pavement in cut sections within construction

Denotes C.Y. fill for S.W.M.(Stormwater Management Basin)

limits and is not included in the Regular Excavation

_ Denotes C.Y. Haul.(Haul Material shown will be C.Y. of mat'l. not compacted.)

Denotes Borrow Material (Min. CBR, specify)

Denotes C. Y. fill for drainage ditches.

 $F \mid G \mid$

373737

Denotes Surplus Material.

The borrow quantity shown was computed on the basis of the average shrinkage or swell factor for the general vicinity of the project. The contractor will be responsible for determining the actual factor for the site(s) from which he proposes to secure borrow material needed to complete this project.

955/

ST A. 116+40

FORMULAS

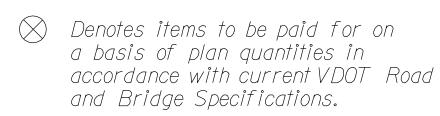
TOTALS

The embankment quantity shown has not been adjusted for shrinkage or swell factors. The contractor will be responsible for determining the effect of the shrinkage or swell factor of the embankment material, and no adjustment will be made in pay quantities for this factor. The contractor shall determine the actual quantity of embankment material needed to complete this project.

9893

N O P Q R

828 | 39 | 0 | $^{\circ}$ | 0



(1) Cut quantity shown does not include the material removed as Demolition of Pavement.

(2) Quantity shown for use in Grading Diagram only. See other Summaries for pay item(s).

Denotes C.Y. cut from S.W.M.(Stormwater Management Basin) (3) Included in Total Regular Excavation.

4) Included in Roadway Cut quantity.

5) Quantities for Temporary Sediment Basins and Temporary Sediment Traps are included with the Stormwater Management Basin auantities.

(6) Denotes pay item.

(7) Included in total fill quantity.

(8) This quantity comes from the computer listings and/or manual cross-sections and may be adjusted for other quantities.

Christopher McGuire No. 43452

* REVISIONS *

COUNTY L CONSTRUCTION

JDOUN (CAPITAL

LOUI OF (

WIDENING 643)

SYCOLIN ROAD (ROUTE 6

SHEET NO. 2B1